

Christopher Thomson

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Education

Bachelor of Science, Computer Science | *University of Calgary*

September 2023 – December 2025

- Science Internship Program
- SPE Data Science Mentorship Program Mentee (2026)
- Data Science and Machine Learning Club Participant
- Highlighted Classes: Principles of Operating Systems, Data Structures/Algorithm Analysis, Intro to Software Engineering, Machine Learning, Artificial Intelligence, Database Management Systems, Computer Networks, Intro to Software Engineering, Scalable Data Analytics, Data Visualization Fundamentals, Web-based Systems, IT Ethics.

General Arts and Science Diploma | *Lethbridge College*

January 2021 – May 2023

- Highlighted Classes: Organizational Behavior, Principles of Microeconomics, Principles of Macroeconomics, Introduction to Statistics.

General Arts and Science Diploma | *Umpqua Community College, Roseburg, OR, USA*

September 2019 – December 2020

- Highlighted Classes: Business Communication, Advertising, Public Speaking, Intro to Business, History of the United States

Technical Skills

- **Programming Languages:** Python, JavaScript, SQL, HTML/CSS
- **Frameworks & Libraries:** TensorFlow, Docusaurus, Hugging Face, Node.js, React
- **DevOps & Infrastructure:** Docker, Podman, GitLab CI/CD, Linux Administration, Mac OS, Windows Administration, PostgreSQL
- **Cloud & Enterprise:** Microsoft 365, Power Apps, SharePoint, ServiceNow, Power Automate, Jira, Tableau, Firebase
- **Development:** Full-Stack Web Development, Machine Learning, Data Analysis, Agile Methodologies

Employment Experience

Developer Student – Community Care Services | *Alberta Health Services*

May 2025 – August 2025

- **Architected** enterprise-scale knowledge management system using GitLab, reducing document retrieval time for 5+ architects across the organization.
- **Deployed** containerized CI/CD pipeline on Linux servers, automating documentation updates and eliminating manual deployment processes
- **Developed** 3+ SharePoint sites with custom workflows, increasing team collaboration efficiency
- **Engineered** Power Automate solutions that streamlined repetitive processes for team managers

Developer Student – Web and Collaboration Services | *Alberta Health Services*

January 2025 – April 2025

- **Built** responsive web applications using Python, JavaScript, HTML/CSS serving 200+ internal users daily
- **Integrated** PostgreSQL databases with front-end applications, improving data retrieval performance
- **Implemented** AI-powered RAG system using Hugging Face models and BM25 algorithms, achieving 85% query accuracy for internal documentation search
- **Optimized** existing web interfaces, improving user experience scores

Back shop Supervisor | *Cottonwood Golf and Country Club*

April 2022 – October 2024

- **Organized** a team of 8+ individuals to provide exceptional customer service to members and guests
- **Coordinated** organization of corporate tournaments and events.
- **Deployed** training for new seasonal employees to reduce onboarding time.

Projects

Knowledgebase Management System | *Podman/Docker, JavaScript, GitLab, Linux*

- **Designed** and deployed scalable documentation system processing 1000+ markdown files, reducing information search time
- **Automated** content deployment using GitLab CI/CD pipelines, achieving 99.9% uptime and zero-downtime releases

Job Search & Employer Application Tracker Web App | *HTML, JavaScript, TailwindCSS, Docker*

- **Developed** a responsive job search and employer application tracker web app using HTML, JavaScript, and Tailwind CSS to streamline application tracking and enhance user experience.

Video Game Sales Dashboard & ETL pipeline | *Python, SQL*

- **Developed** a video game sales analytics dashboard by developing end-to-end ETL data pipelines in Python and SQL, improving data quality and enabling automated reporting for stakeholders.

Web App UI for AI RAG system | *Python, JavaScript, HTML/CSS, PostgreSQL, Hugging Face*

- **Redesigned** AI-powered search interface based on template provided
- **Integrated** vector database with web frontend, enabling semantic search across 5000+ documents

Achievements & Leadership

- Academic Baseball Scholarship, Umpqua Community College, Oregon, USA (2019)
- Academic Baseball Scholarship, Prairie Baseball Academy, Lethbridge, AB (2021)
- Calgary Buffaloes Hockey Association Alumni
- Canada Summer Games Bronze Medalist – Baseball (2017)